STRUCTURE 144

The structure was replaced by a new structure in March 1993. The contract number is C-3042. The new structure is a single-barreled, bituminous-coated, corrugated metal pipe culvert, located in Levee 35B. Control is effected by a manually operated sluice gate mounted in the manhole.

PURPOSE

This structure, together with S-145 and S-146, permits regulation of Conservation Area 2A by release of water from Area 2A into Area 2B.

OPERATION

This structure, together with S-145 and S-146, is manually operated when water is required in Conservation Area #2B. It is also operated to remove temporarily excess storage in Conservation Area #2A.

FLOOD DISCHARGE CHARACTERISTICS

	Design	Critical Design Conditions
Discharge Rate	210 cfs	_____ cfs
	* % SPF	* % SPF
Headwater Elevation	12.0 feet	14.5 feet
Tailwater Elevation	10.0 feet	10.5 feet
Type Discharge	controlled submerged	controlled submerged

*Designed for Normal Conditions. Discharge of Conservation Area 2 for Standard Project Flood designed to be passed through S-11 alone.

DESCRIPTION OF STRUCTURE

Type	Corrugated metal pipe culverts with center control	
Number of barrels	1	
Size of barrel	72 inches (upstream pipe)	84 inches (downstream pipe)
Length of barrel	36 feet	58 feet
Flow line elevation	2.8 feet	2.7 feet

Top of manhole elevation	17.55 feet	17.55 feet
Gates		
Number	1	
Type	Rodney Hunt Co.	
Size	72 inch square	
Control	Manual	
Lifting Mechanism	vertically mounted, manually and portable operator operated	

ACCESS: from U.S. 27 via access road on top of L-35B

HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Water Level	Staff gauge only at site, upstream, downstream
Gate Position Recorder	None

DEWATERING FACILITIES (per barrel) Dewatering panel